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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

ANDERSON, CATHARINE L

ART UNIT PAPER NUMBER

3761

DATE MAILED: 02/11/2004 17

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/931,028

Applicant(s)

HAYASE ET AL.

Examiner

C. Lynne Anderson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 November 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 15.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

Specification

The amendment filed 26 November 2003 is objected to under 35 U.S.C. 132 because it introduces new matter into the disclosure. 35 U.S.C. 132 states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: The embodiment wherein no body surrounding elastic member is provided in the area where the absorbent core exists is not disclosed in the specification.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 7 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The embodiment wherein no body surrounding elastic member is provided in the area where the absorbent core exists is not disclosed in the specification. The specification discloses on page 6, lines 13-14 the body surrounding elastic members are not disposed in at least a portion of the area where the absorbent core exists, but does not specifically disclose the entire portion where the absorbent

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core exists. The figures also fail to show an embodiment wherein no elastic member is provided in the area where the absorbent core exists.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 4, 7, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Watanabe et al. (5,449,353).

Watanabe discloses a shorts-type disposable diaper 1, as shown in figure 2, comprising a liquid permeable topsheet 2, a liquid impermeable anti-leakage sheet 3, and an absorbent core 4. The diaper 1 has a body-surrounding portion 5a and 5b, and a plurality of body-surrounding elastic members 11b extending in a circumferential width direction of the diaper 1, as shown in figure 1. The elastic members 11b are disposed in the side portions of the diaper 1 and are not disposed in at least a center portion of where the absorbent core 4 exists. The elastic members 11b are secured in their stretched state, as disclosed in column 4, lines 61-63, and form gathers, as disclosed in column 6, lines 15-19. The ratio of the width of the absorbent core 4 to the width of the diaper 1 is between 30% and 60%, as shown in figure 1. The ratio of the width of the portions containing the elastic members 11b to the width of the diaper 1 is between 40% and 95%, as shown in figure 1.

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With respect to claim 3, the diaper 1 further comprises an exterior member containing an outer sheet disposed on the side of the absorbent body having the anti-leakage sheet 3, and fixed to the absorbent body by partial bonding, as disclosed in column 5, lines 48-50.

With respect to claims 4 and 8, an elastic member 8 is fixedly disposed in the waist opening portion, as shown in figure 1, and has a greater elongation stress than the body surrounding elastic members 11b, as disclosed in column 7, line 58 to column 8, line 1, and therefore has a greater 30% elongation stress. Given the ranges of elongation stresses disclosed, the ratio of elongations stresses will be between 1.5 and 6.0.

With respect to claim 7, no elastic member 11b is provided in the area where the absorbent core 4 exists, as shown in figure 1.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (5,449,353) as applied to claim 1 above, and further in view of Takabayashi et al. (5,817,087).

Watanabe discloses all aspects of the claimed invention with the exception of the elastic members being positioned between the anti-leakage sheet and an outer sheet.

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Takabayashi discloses a disposable diaper 1, as shown in figure 1, comprising body-surrounding elastic members 31 and 41. The elastic members are positioned between an anti-leakage sheet 9 and an outer sheet 3, as shown in figure 6.

Positioning the elastic members between the anti-leakage sheet and the outer sheet provide the diaper with increased comfort, as described in column 8, lines 47-56.

It would therefore be obvious to one of ordinary skill in the art at the time of invention to position the elastic members of Watanabe between the anti-leakage sheet and an outer sheet, as taught by Takabayashi, to provide the diaper with increased comfort.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (5,449,353) as applied to claim 1 above, and further in view of Iskra (5,021,050).

Watanabe discloses all aspects of the claimed invention but remains silent as to the Taber stiffness of the absorbent core.

Iskra discloses a disposable diaper 10, as shown in figure 1, comprising an absorbent core 16, as shown in figure 3. The absorbent core 16 has a Taber stiffness of less than about 7 g/cm, as disclosed in column 3, lines 31-40. The low Taber stiffness of the absorbent core 16 allows the absorbent core 16 to be flexible enough to bend to form the shape of the diaper 10, as shown in figure 1.

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It would therefore be obvious to one of ordinary skill in the art at the time of invention to construct the absorbent core of Watanabe with a Taber stiffness of less than 7 g/cm, as taught by Iskra, to give the absorbent core suitable flexibility.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (5,449,353) as applied to claim 1 above.

Watanabe discloses all aspects of the claimed invention with the exception of the body-surrounding elastic members having inward ends that are slightly overlapping the absorbent core. It would have been an obvious matter of design choice to have the elastic members slightly overlap the absorbent core, since the applicant has not disclosed that this configuration serves any particular purpose or solves any stated problem, and it appears the invention would function equally well with the elastic members overlapping or not overlapping the absorbent core.

Response to Amendment

The amendment filed 26 November 2003 is objected to under 35 U.S.C. 132 because it introduces new matter into the disclosure. 35 U.S.C. 132 states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: The embodiment wherein no body surrounding elastic member is provided in the area where the absorbent core exists is not disclosed in the specification.

Applicant is required to cancel the new matter in the reply to this Office Action.

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Response to Arguments

Applicant's arguments filed 26 November 2003, with respect to the rejection(s) of claim(s) 1-4 under 25 U.S.C. 102(e) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Watanabe et al. (5,449,656).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to C. Lynne Anderson whose telephone number is (703) 306-5716. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (703) 308-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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February 9, 2004


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